```
DDDDDDDDDD    TTTTTTTTTTTTTTT   SSSSSSSSSSS   DDDDDDDDDD    TTTTTTTTTTTTTTT   RRRRRRRRRRR
DDDDDDDDDD    TTTTTTTTTTTTTTT   SSSSSSSSSSS   DDDDDDDDDD    TTTTTTTTTTTTTTT   RRRRRRRRRRR
DDDDDDDDDD    TTTTTTTTTTTTTTT   SSSSSSSSSSS   DDDDDDDDDD    TTTTTTTTTTTTTTT   RRRRRRRRRRR
DDD    DDD         TTT         SSS            DDD    DDD         TTT         RRR      RRR
DDD    DDD         TTT         SSS            DDD    DDD         TTT         RRR      RRR
DDD    DDD         TTT         SSS            DDD    DDD         TTT         RRR      RRR
DDD    DDD         TTT         SSS            DDD    DDD         TTT         RRR      RRR
DDD    DDD         TTT         SSS            DDD    DDD         TTT         RRR      RRR
DDD    DDD         TTT              SSSSSSSS   DDD    DDD         TTT         RRRRRRRRRRRR
DDD    DDD         TTT              SSSSSSSS   DDD    DDD         TTT         RRRRRRRRRRRR
DDD    DDD         TTT              SSSSSSSS   DDD    DDD         TTT         RRRRRRRRRRRR
DDD    DDD         TTT                   SSS   DDD    DDD         TTT         RRR  RRR
DDD    DDD         TTT                   SSS   DDD    DDD         TTT         RRR  RRR
DDD    DDD         TTT                   SSS   DDD    DDD         TTT         RRR  RRR
DDD    DDD         TTT                   SSS   DDD    DDD         TTT         RRR   RRR
DDD    DDD         TTT                   SSS   DDD    DDD         TTT         RRR   RRR
DDD    DDD         TTT                   SSS   DDD    DDD         TTT         RRR   RRR
DDDDDDDDDD         TTT         SSSSSSSSSSS     DDDDDDDDDD         TTT         RRR      RRR
DDDDDDDDDD         TTT         SSSSSSSSSSS     DDDDDDDDDD         TTT         RRR      RRR
DDDDDDDDDD         TTT         SSSSSSSSSSS     DDDDDDDDDD         TTT         RRR      RRR
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DDDDDDD    TTTTTTTTTT    GGGGGGG  LL            000000   BBBBBBBB      AAAAAA    LL
DDDDDDD    TTTTTTTTTT    GGGGGGG  LL            000000   BBBBBBBB      AAAAAA    LL
DD    DD       TT       GG       LL          00    00   BB    BB    AA    AA    LL
DD    DD       TT       GG       LL          00    00   BB    BB    AA    AA    LL
DD    DD       TT       GG       LL          00    00   BB    BB    AA    AA    LL
DD    DD       TT       GG       LL          00    00   BBBBBBBB    AA    AA    LL
DD    DD       TT       GG       LL          00    00   BBBBBBBB    AA    AA    LL
DD    DD       TT       GG GGGGGG LL          00    00   BB    BB   AAAAAAAAAA   LL
DD    DD       TT       GG GGGGGG LL          00    00   BB    BB   AAAAAAAAAA   LL
DD    DD       TT       GG    GG  LL          00    00   BB    BB   AA    AA    LL
DD    DD       TT       GG    GG  LL          00    00   BB    BB   AA    AA    LL
DDDDDDD        TT          GGGGGG LLLLLLLLLL   000000    BBBBBBBB   AA    AA  LLLLLLLLLL
DDDDDDD        TT          GGGGGG LLLLLLLLLL   000000    BBBBBBBB   AA    AA  LLLLLLLLLL


LL          IIIIII    SSSSSSSS
LL          IIIIII    SSSSSSSS
LL            II    SS
LL            II    SS
LL            II    SS
LL            II      SSSSSS
LL            II      SSSSSS
LL            II           SS
LL            II           SS
LL            II           SS
LL            II           SS
LLLLLLLLLL  IIIIII    SSSSSSSS
LLLLLLLLLL  IIIIII    SSSSSSSS
```

E 14

TST$DTGLOBAL   - GLOBAL STORAGE SECTION FOR DTS/DTR   16-SEP-1984 01:23:14 VAX/VMS Macro V04-00   Page 1
V04-000   5-SEP-1984 00:22:01 [DTSDTR.SRC]DTGLOBAL.MAR;1   (1)

```
 0000       1                .TITLE  TST$DTGLOBAL - GLOBAL STORAGE SECTION FOR DTS/DTR
 0000       2                .IDENT  'V04-000'
 0000       3
 0000       4
 0000       5        ;*****************************************************************************
 0000       6        ;*                                                                           *
 0000       7        ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
 0000       8        ;*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
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 0000      11        ;*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED    *
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 0000      13        ;*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER    *
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 0000      16        ;*  TRANSFERRED.                                                             *
 0000      17        ;*                                                                           *
 0000      18        ;*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE    *
 0000      19        ;*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
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 0000      23        ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
 0000      24        ;*                                                                           *
 0000      25        ;*                                                                           *
 0000      26        ;*****************************************************************************
 0000      27        ;
 0000      28
 0000      29        ;++
 0000      30        ; FACILITY: DTS/DTR DECNET TEST PACKAGE
 0000      31        ;
 0000      32        ; ABSTRACT: GLOBAL STORAGE SECTION FOR DTS/DTR
 0000      33        ;
 0000      34        ; ENVIRONMENT: DTS/DTR RUN IN USER MODE AND REQUIRE NETWORK PRIVILEGE.
 0000      35        ;
 0000      36        ; AUTHOR: JAMES A. KRYCKA,      CREATION DATE:  11-AUG-77
 0000      37        ;
 0000      38        ; MODIFICATIONS:
 0000      39        ;
 0000      40        ;       V02-012 JAK0001         Jim Krycka      21-March-1980
 0000      41        ;               Change printed version number to 2.00 on startup
 0000      42        ;
 0000      43        ;       X0.1-11 DJD0002         Darrell Duffy   4-January-1980
 0000      44        ;               Remove timeout from command rab
 0000      45        ;
 0000      46        ;       X0.1-10 DJD0001         Darrell Duffy   10-December-1979
 0000      47        ;               Changes to call LIB$ASN_WTH_MBX
 0000      48        ;
 0000      49        ;--
```

TST$DTGLOBAL
V04-000

F 14
- GLOBAL STORAGE SECTION FOR DTS/DTR   16-SEP-1984 01:23:14 VAX/VMS Macro V04-00   Page 2
DECLARATIONS   5-SEP-1984 00:22:01 [DTSDTR.SRC]DTGLOBAL.MAR;1   (2)

```
              0000        51            .SBTTL  DECLARATIONS
          00000000        52            .PSECT  TST$IMPURE      NOEXE,LONG
              0000        53
              0000        54  ;
              0000        55  ; INCLUDE FILES:
              0000        56  ;
              0000        57            $IODEF                          ; DEFINE QIO FUNCTION CODES
              0000        58            EFNDEF                          ; DEFINE EFN'S AND FUNCTION CODES
              0000        59            CMDDEF                          ; DEFINE COMMAND LANGUAGE SYMBOLS
              0000        60            .IIF NE K_LIST_MEB, .LIST MEB   ; DEFINED IN DTPREFIX.MAR
              0000        61  ;
              0000        62  ; MACROS:
              0000        63  ;
              0000        64            NONE
              0000        65
              0000        66  ; EQUATED SYMBOLS:
              0000        67  ;
          00000040 0000    68            TST$K_MAILBUF==64               ; MAILBOX BUFFER LENGTH
          00000200 0000    69            TST$K_MAILQUOTA==TST$K_MAILBUF*8 ; MAILBOX QUOTA
              0000        70  ;                                         ; following is no longer needed
              0000        71  ;          TST$K_MAILPROT==^X0000         ; MAILBOX PROTECTION MASK
          00001000 0000    72            TST$K_XMITBUF==MAX_K_SIZE_DA   ; TRANSMIT BUFFER LENGTH
          00001000 0000    73            TST$K_RECVBUF==MAX_K_SIZE_DA   ; RECEIVE BUFFER LENGTH
          00000010 0000    74            TST$K_INTEBUF==MAX_K_SIZE_IN   ; INTERRUPT BUFFER LENGTH
          00000084 0000    75            TST$K_CMDBUF==132             ; COMMAND BUFFER LENGTH
          00000200 0000    76            TST$K_PRTBUF==512             ; PRINT BUFFER LENGTH
              0000        77  ;
              0000        78  ;WEAKEN DEFINITIONS THAT MAY NOT BE FOUND,DEPENDING ON MODULE
              0000        79
              0000        80            .WEAK   TST$XMITAST_DTR,TST$RECVAST_DTR,TST$MAILAST_DTR
              0000        81            .WEAK   TST$INTEAST_DTR,TST$XMITAST_DTS,TST$RECVAST_DTS
              0000        82            .WEAK   TST$MAILAST_DTS,TST$INTEAST_DTS
              0000        83  ;
              0000        84  ;
              0000        85  ;OFFSETS IN AST QUEUE BLOCK
              0000        86
          00000000 0000    87            TST$QB_FLINK==0
          00000004 0000    88            TST$QB_BLINK==4                :BACK LINK
          00000008 0000    89            TST$QB_CODE==8                 :QIO FUNCTION INDEX
          0000000C 0000    90            TST$QB_ASTADR==12              :AST ROUTINE ADDRESS
          00000010 0000    91            TST$QB_BUFLEN==16              :BUFFER SIZE
              0000        92  ;
              0000        93  ; OWN STORAGE:
              0000        94  ;
              0000        95
              0000        96  ;
              0000        97  ; QIO PARAMETER BLOCKS FOR FUNCTIONS OVER THE COMMUNICATIONS LINK AND
              0000        98  ; FOR THE ASSOCIATED MAILBOX.
              0000        99  ;
              0000       100
              0000       101  ;******************************************************************************
              0000       102  ; THESE BLOCKS MUST BE CONTIGUOUS AND IN THE ORDER SPECIFIED SO THAT
              0000       103  ; INDEXED ADDRESSING CAN BE USED TO MODIFY THEM.
              0000       104  ;******************************************************************************
              0000       105
              0000       106  TST$PARAMETER::                           ; START OF 8 CONTIGUOUS QIO
              0000       107                                            ;   PARAMETER BLOCKS
```

```
0000   108 :
0000   109 ; READ THE ASSOCIATED MAILBOX.
0000   110 :
0000   111        $QIO    EFN=EFN_K_READ_MAIL-
0000   112                CHAN=0-                      ; CHANNEL # T.B.S.
0000   113                FUNC=IO$_READVBLK-           :
0000   114                IOSB=TST$GQ_MAILIOSB-        :
0000   115                ASTADR=0-                    ; MAY BE MODIFIED
0000   116                ASTPRM=0-                    ; MAY BE MODIFIED
0000   117                P1=TST$GB_MAILBUF-           ; BUFFER ADDRESS
0000   118                P2=0                         ; BUFFER SIZE T.B.S.
0034   119 :
0034   120 ; ISSUE NSP CONNECT INITIATE OR CONNECT ACCEPT REQUEST.
0034   121 :
0034   122        ASSUME  EFN_K_CONN_INIT.EQ.EFN_K_CONN_ACCE ; INITIATE = ACCEPT
0034   123        $QIO    EFN=EFN_K_CONN_INIT-
0034   124                CHAN=0-                      ; CHANNEL # T.B.S.
0034   125                FUNC=IO$_ACCESS!IO$M_ACCESS- ;
0034   126                IOSB=TST$GQ_LINKIOSB-        :
0034   127                ASTADR=0-                    ; MAY BE MODIFIED
0034   128                ASTPRM=0-                    ; MAY BE MODIFIED
0034   129                P1=0-                        ; MUST BE ZERO
0034   130                P2=0                         ; ACCESS DESC BLOCK ADDRESS T.B.S.
0068   131
0068   132 :
0068   133 ; ISSUE NSP CONNECT REJECT REQUEST.
0068   134 :
0068   135        $QIO    EFN=EFN_K_CONN_REJE-         :
0068   136                CHAN=0-                      ; CHANNEL # T.B.S.
0068   137                FUNC=IO$_ACCESS!IO$M_ABORT-  ;
0068   138                IOSB=TST$GQ_LINKIOSB-        :
0068   139                ASTADR=0-                    ; MAY BE MODIFIED
0068   140                ASTPRM=0-                    ; MAY BE MODIFIED
0068   141                P1=0-                        ; MUST BE ZERO
0068   142                P2=0                         ; ACCESS DESC BLOCK ADDRESS T.B.S.
009C   143
009C   144 :
009C   145 ; ISSUE NSP SYNCHRONOUS DISCONNECT REQUEST.
009C   146 :
009C   147        $QIO    EFN=EFN_K_DISC_SYNC-         :
009C   148                CHAN=0-                      ; CHANNEL # T.B.S.
009C   149                FUNC=IO$_DEACCESS!IO$M_SYNCH- ;
009C   150                IOSB=TST$GQ_LINKIOSB-        :
009C   151                ASTADR=0-                    ; MAY BE MODIFIED
009C   152                ASTPRM=0-                    ; MAY BE MODIFIED
009C   153                P1=0-                        ; MUST BE ZERO
009C   154                P2=0                         ; DEACCESS DESC BLOCK ADDRESS T.B.S.
00D0   155
00D0   156 :
00D0   157 ; ISSUE NSP DISCONNECT ABORT REQUEST.
00D0   158 :
00D0   159        $QIO    EFN=EFN_K_DISC_ABRT-         :
00D0   160                CHAN=0-                      ; CHANNEL # T.B.S.
00D0   161                FUNC=IO$_DEACCESS!IO$M_ABORT- ;
00D0   162                IOSB=TST$GQ_LINKIOSB-        :
00D0   163                ASTADR=0-                    ; MAY BE MODIFIED
00D0   164                ASTPRM=0-                    ; MAY BE MODIFIED
```

```
                    00D0   165                              P1=0-                          ; MUST BE ZERO
                    00D0   166                              P2=0                           ; DEACCESS DESC BLOCK ADDRESS T.B.S.
                    0104   167
                    0104   168   ;
                    0104   169   ; ISSUE NSP TRANSMIT DATA MESSAGE REQUEST.
                    0104   170   ;
                    0104   171            $QIO    EFN=EFN_K_XMIT_DATA-            ;
                    0104   172                    CHAN=0-                        ; CHANNEL # T.B.S.
                    0104   173                    FUNC=IO$_WRITEVBLK-            ;
                    0104   174                    IOSB=TST$GQ_XMITIOSB-          ;
                    0104   175                    ASTADR=0-                      ; MAY BE MODIFIED
                    0104   176                    ASTPRM=0-                      ; MAY BE MODIFIED
                    0104   177                    P1=TST$GB_XMITBUF-            ; BUFFER ADDRESS
                    0104   178                    P2=0                          ; BUFFER SIZE T.B.S.
                    0138   179
                    0138   180   ;
                    0138   181   ; ISSUE NSP TRANSMIT INTERRUPT DATA REQUEST.
                    0138   182   ;
                    0138   183            $QIO    EFN=EFN_K_XMIT_INTE-          ;
                    0138   184                    CHAN=0-                        ; CHANNEL # T.B.S.
                    0138   185                    FUNC=IO$_WRITEVBLK!IO$M_INTERRUPT- ;
                    0138   186                    IOSB=TST$GQ_INTEIOSB-          ;
                    0138   187                    ASTADR=0-                      ; MAY BE MODIFIED
                    0138   188                    ASTPRM=0-                      ; MAY BE MODIFIED
                    0138   189                    P1=TST$GB_INTEBUF-            ; BUFFER ADDRESS
                    0138   190                    P2=0                          ; BUFFER SIZE T.B.S.
                    016C   191
                    016C   192   ;
                    016C   193   ; ISSUE NSP RECEIVE DATA MESSAGE REQUEST.
                    016C   194   ;
                    016C   195            $QIO    EFN=EFN_K_RECV_DATA-          ;
                    016C   196                    CHAN=0-                        ; CHANNEL # T.B.S.
                    016C   197                    FUNC=IO$_READVBLK-            ;
                    016C   198                    IOSB=TST$GQ_RECVIOSB-          ;
                    016C   199                    ASTADR=0-                      ; MAY BE MODIFIED
                    016C   200                    ASTPRM=0-                      ; MAY BE MODIFIED
                    016C   201                    P1=TST$GB_RECVBUF-            ; BUFFER ADDRESS
                    016C   202                    P2=0                          ; BUFFER SIZE T.B.S.
                    01A0   203
                    01A0   204   ;
                    01A0   205   ; QIO STATUS BLOCK STORAGE
                    01A0   206   ;
                    01A0   207
                    01A0   208   TST$GQ_MAILIOSB::                              ; MAILBOX I/O STATUS BLOCK
000001A8            01A0   209            .BLKQ   1
                    01A8   210   TST$GQ_LINKIOSB::                             ; GENERAL LINK I/O STATUS BLOCK
000001B0            01A8   211            .BLKQ   1
                    01B0   212   TST$GQ_XMITIOSB::                             ; TRANSMIT I/O STATUS BLOCK
000001B8            01B0   213            .BLKQ   1
                    01B8   214   TST$GQ_INTEIOSB::                             ; INTERRUPT I/O STATUS BLOCK
000001C0            01B8   215            .BLKQ   1
                    01C0   216   TST$GQ_RECVIOSB::                             ; RECEIVE I/O STATUS BLOCK
000001C8            01C0   217            .BLKQ   1
                    01C8   218
                    01C8   219   ;
                    01C8   220   ; MESSAGE BUFFER STORAGE
                    01C8   221   ;
```

```
                  01C8    222
                  01C8    223  TST$GB_MAILBUF::                              ; MAILBOX BUFFER
         00000208 01C8    224          .BLKB    TST$K_MAILBUF               ;
                  0208    225  TST$GB_XMITBUF::                             ; TRANSMIT BUFFER
         00001208 0208    226          .BLKB    TST$K_XMITBUF               ;
                  1208    227  TST$GB_RECVBUF::                             ; RECEIVE BUFFER
         00002208 1208    228          .BLKB    TST$K_RECVBUF              ;
                  2208    229  TST$GB_INTEBUF::                             ; INTERRUPT BUFFER
         00002218 2208    230          .BLKB    TST$K_INTEBUF             ;
                  2218    231
                  2218    232  ;
                  2218    233  ; CHANNEL NUMBER STORAGE
                  2218    234  ;
                  2218    235
                  2218    236  TST$GW_MAILCHAN::                             ; MAILBOX CHANNEL NUMBER
         0000221A 2218    237          .BLKW    1                          ;
                  221A    238  TST$GW_LINKCHAN::                             ; LINK CHANNEL NUMBER
         0000221C 221A    239          .BLKW    1                          ;
                  221C    240
                  221C    241  ;
                  221C    242  ;FLAGS PASSED FROM AST ROUTINES TO MAINLINE
                  221C    243  TST$GB_ASTFLAGS::                            ;BIT FLAGS
               00 221C    244          .BYTE    0
                  221D    245  ;
                  221D    246  ; DEVICE NAME AND LOGICAL NAME DESCRIPTOR BLOCKS WITH TEXT
                  221D    247  ;
                  221D    248
                  221D    249  ;                                            ; Mailbox names not needed
                  221D    250  ;TST$GQ_MAIL_DTS::                           ; DEVICE NAME DESCRIPTOR BLOCK
                  221D    251  ;        QBLOCK   TEXT=<TST$DTS_MAILBOX>     ;  FOR MAILBOX USED BY DTS
                  221D    252  ;TST$GQ_MAIL_DTR::                           ; DEVICE NAME DESCRIPTOR BLOCK
                  221D    253  ;        QBLOCK   TEXT=<TST$DTR_MAILBOX>     ;  FOR MAILBOX USED BY DTR
                  221D    254
                  221D    255  TST$GQ_LINKNAME::                            ; DEVICE NAME DESCRIPTOR BLOCK
                  221D    256          QBLOCK   TEXT=<_NET:>               ;  FOR THE LINK
                  222A    257  TST$GQ_SYSNAME::                             ; LOGICAL NAME DESCRIPTOR BLOCK
                  222A    258          QBLOCK   TEXT=<SYS$NET>             ;  FOR SYS$NET
                  2239    259
                  2239    260  ;
                  2239    261  ;BLOCKS BY DTS TO QUEUE AST REQUESTS TO USER LEVEL
                  2239    262
                  2239    263  TST$QB_XMTDATA::
00000000 00000000 2239    264          .LONG    0,0                :LINKS
         00000005 2241    265          .LONG    EFN_K_XMIT_DATA    ;FUNCTION CODE/INDEX
         00000000' 2245   266          .ADDRESS TST$XMITAST_DTS             ;ADDRESS AST ROUTINE
                  2249    267  TST$QB_RCVDATA::
00000000 00000000 2249    268          .LONG    0,0                :LINKS
         00000007 2251    269          .LONG    EFN_K_RECV_DATA
         00000000' 2255   270          .ADDRESS TST$RECVAST_DTS
                  2259    271  TST$QB_RCVMAIL::
00000000 00000000 2259    272          .LONG    0,0                :LINKS
         00000000 2261    273          .LONG    EFN_K_READ_MAIL
         00000000' 2265   274          .ADDRESS TST$MAILAST_DTS
                  2269    275  TST$QB_XMTINT::
00000000 00000000 2269    276          .LONG    0,0                :LINKS
         00000006 2271    277          .LONG    EFN_K_XMIT_INTE
         00000000' 2275   278          .ADDRESS TST$INTEAST_DTS
```

```
                                        2279   279 ;
                                        2279   280 ;QUEUE BLOCKS USED BY DTR FOR PASSING ASTS TO USER LEVEL
                                        2279   281 TST$QBR_XMTDATA::
         00000000 00000000              2279   282         .LONG   0,0             ;LINKS
                  00000005              2281   283         .LONG   EFN_K_XMIT_DATA ;FUNCTION CODE/INDEX
                  00000000'             2285   284         .ADDRESS TST$XMITAST_DTR        ;ADDESS AST ROUTINE
                  00000000              2289   285         .LONG   0               ;BUFFER LENGTH
                                        228D   286 TST$QBR_RCVDATA::
         00000000 00000000              228D   287         .LONG   0,0             ;LINKS
                  00000007              2295   288         .LONG   EFN_K_RECV_DATA
                  00000000'             2299   289         .ADDRESS TST$RECVAST_DTR
                  00000000              229D   290         .LONG   0               ;BUFFER SIZE
                                        22A1   291 TST$QBR_RCVMAIL::
         00000000 00000000              22A1   292         .LONG   0,0             ;LINKS
                  00000000              22A9   293         .LONG   EFN_K_READ_MAIL
                  00000000'             22AD   294         .ADDRESS TST$MAILAST_DTR
                  00000000              22B1   295         .LONG   0               ;BUFFER SIZE
                                        22B5   296 TST$QBR_XMTINT::
         00000000 00000000              22B5   297         .LONG   0,0             ;LINKS
                  00000006              22BD   298         .LONG   EFN_K_XMIT_INTE
                  00000000'             22C1   299         .ADDRESS TST$INTEAST_DTR
                  00000000              22C5   300         .LONG   0               ;BUFFER SIZE
                                        22C9   301 TST$QB_QHEAD::
         00000000 00000000              22C9   302         .QUAD   0
                                        22D1   303 ;
                                        22D1   304 ; DATA STRUCTURES FOR THE COMMAND FILE
                                        22D1   305 ;
                                        22D1   306
                                        22D1   307         .ALIGN  LONG                    ; REQUIRED FOR FABS AND RABS
                                        22D4   308 TST$CMDFAB::                            ; FILE ACCESS BLOCK
                                        22D4   309         $FAB    FAC=GET-                 :
                                        22D4   310                 FNA=TST$GT_CMDNAME-      :
                                        22D4   311                 FNS=K_CMDNAME
                                        2324   312 TST$CMDRAB::                            ; RECORD ACCESS BLOCK
                                        2324   313         $RAB    FAB=TST$CMDFAB-          :
                                        2324   314                 UBF=TST$GB_CMDBUF-       :
                                        2324   315                 USZ=TST$K_CMDBUF-        :
                                        2324   316                 ROP=<PMT,CVT>-   ;
                                        2324   317 ;               ROP=<PMT,TMO,CVT>-      :
                                        2324   318                 PBF=TST$GB_PMTBUF-       :
                                        2324   319                 PSZ=K_PMTBOF             :
                                        2368   320 ;               TMO=120
     54 55 50 4E 49 24 53 59 53         2368   321 TST$GT_CMDNAME::                        ; COMMAND DEVICE NAME
                                        2368   322         .ASCII  \SYS$INPUT\
                  00000009              2371   323 K_CMDNAME=.-TST$GT_CMDNAME              ; COMMAND DEVICE NAME LENGTH
                                        2371   324 TST$GB_CMDBUF::                         ; COMMAND BUFFER
                  000023F5              2371   325         .BLKB   TST$K_CMDBUF             :
                                        23F5   326 TST$GB_PMTBUF::                         ; PROMPT BUFFER
20 20 20 3A 74 73 65 54 5F 0A 0A 0D     23F5   327         .ASCII  <13><10><10>\_Test:  \ ; PROMPT MESSAGE
                  0000000C              2401   328 K_PMTBUF=.-TST$GB_PMTBUF                ; PROMPT BUFFER LENGTH
                                        2401   329
                                        2401   330 ;
                                        2401   331 ; DATA STRUCTURES FOR THE PRINT FILE
                                        2401   332 ;
                                        2401   333
                                        2401   334         .ALIGN  LONG                    ; REQUIRED FOR FABS AND RABS
                                        2404   335 TST$PRTFAB::                            ; FILE ACCESS BLOCK
```

```
                                    2404  336        $FAB    FAC=PUT-                    :
                                    2404  337                RAT=CR-                     :
                                    2404  338                FNA=TST$GT_PRTNAME-         :
                                    2404  339                FNS=K_PRTNAME               :
                                    2454  340  TST$PRTRAB::                              : RECORD ACCESS BLOCK
                                    2454  341                $RAB    FAB=TST$PRTFAB-     :
                                    2454  342                        RBF=TST$GB_PRTBUF-  :
                                    2454  343                        RSZ=0               : T.B.S. DYNAMICALLY
                                    2498  344  TST$GT_PRTNAME::                          : PRINT DEVICE NAME
          54 55 50 54 55 4F 24 53 59 53  2498  345                .ASCII  \SYS$OUTPUT\
                             0000000A    24A2  346  K_PRTNAME=.-TST$GT_PRTNAME           : PRINT DEVICE NAME LENGTH
                                    24A2  347  TST$GQ_PRTBUF::                           : OUTPUT STRING DESCRIPTOR FOR FAO
                                    24A2  348                QBLOCK   SPACE=TST$K_PRTBUF- : BUFFER SIZE
                                    24A2  349                         BUFADR=TST$GB_PRTBUF : BUFFER ADDRESS
                                    26AA  350  TST$GW_PRTLEN::                           : FORMATTED MESSAGE SIZE FROM FAO
                             000026AC   26AA  351                .BLKW    1              :
                                    26AC  352
                                    26AC  353  ;
                                    26AC  354  ; FAO RELATED DESCRIPTOR BLOCKS WITH TEXT
                                    26AC  355  ;
                                    26AC  356
                                    26AC  357  TST$GQ_INIT::                             : INITIALIZATION MESSAGE
                                    26AC  358                QBLOCK  TEXT=<<!/!AC!AC initiated on !%D>>
                                    26CD  359  TST$GQ_CALLER::                           : REQUESTOR ID MESSAGE
                                    26CD  360                QBLOCK  TEXT=<<!/!AC!AC was requested by !AD'>>
                                    26F3  361  TST$GQ_TERM::                             : TERMINATION MESSAGE
                                    26F3  362                QBLOCK  TEXT=<<!/!ACterminated on !%D>>
                                    2711  363  TST$GQ_COMPLETE::                         : TEST COMPLETE MESSAGE
                                    2711  364                QBLOCK  TEXT=<<!/!AC!AC test completed on !%T with status of !XL>>
                                    274A  365  TST$GQ_PARSE::                            : PARSE ERROR MESSAGE
                                    274A  366                QBLOCK  TEXT=<<<!ACcommand line syntax error>>
                                    276E  367  TST$GQ_DISPLAY::                          : PRINT MESSAGE
                                    276E  368                QBLOCK  TEXT=<<!AC !UW!_-!#(3XB)>>
                                    2787  369  TST$GQ_STAT1::                            : TEXT FOR STATISTICS PART 1
                                    2787  370                QBLOCK  TEXT=<!/-
                                    2787  371                        <Test parameters:!/>-
                                    2787  372                        <   Test duration (sec)!_!UL!/>-
                                    2787  373                        <   Target nodename! "!AC"!/>-
                                    2787  374                        <   Line speed (baud)!_!UL!/>-
                                    2787  375                        <   Message size (bytes)!_!UW>-
                                    2787  376                        >
                                    2812  377  TST$GQ_STAT2::                            : TEXT FOR STATISTICS PART 2
                                    2812  378                QBLOCK  TEXT=<!/-
                                    2812  379                        <Summary statistics:!/>-
                                    2812  380                        <   Total messages XMIT! !UL!_RECV!_!UL!/>-
                                    2812  381                        <   Total bytes XMIT!_!UL!/>-
                                    2812  382                        <   Messages per second!_!UL.!UB!/>-
                                    2812  383                        <   Bytes per second!_!UL!/>-
                                    2812  384                        <   Line thruput (baud)!_!UL!/>-
                                    2812  385                        <   % Line utilization!_!UL.!UB>-
                                    2812  386                        >
                                    28E9  387  TST$GQ_STAT3::                            : TEXT FOR DTR PRINT OPTION
                                    28E9  388                QBLOCK  TEXT=<!/-
                                    28E9  389                        <Summary statistics:!/>-
                                    28E9  390                        <   Message size (bytes)!_!UW!/>-
                                    28E9  391                        <   Total messages XMIT!_!UL!_RECV!_!UL!/>-
                                    28E9  392                        <   Total bytes XMIT!_!UL>-
```

```
                              28E9     393         >
                              2966     394 TST$GT_DTS::                                    ; DTS IDENTIFICATION STORED
          20 53 54 44 00'     2966     395         .ASCIC  \DTS \                          ; AS A COUNTED ASCII STRING
                       04     2966
                              296B     396 TST$GT_DTR::                                    ; DTR IDENTIFICATION STORED
          20 52 54 44 00'     296B     397         .ASCIC  \DTR \                          ; AS A COUNTED ASCII STRING
                       04     296B
                              2970     398 ;
                              2970     399 ;DATA FOR CALLS TO PUTMSG
                              2970     400
                              2970     401 TST$GT_DTSMSG::
                     0003     2970     402         .WORD   3
                     000F     2972     403         .WORD   15
                              2974     404 TST$GL_DTERROR::
                 00000000     2974     405         .LONG   0
                     0001     2978     406         .WORD   1
                     000F     297A     407         .WORD   15
                              297C     408 TST$GL_FAOARG::
                 00000000     297C     409         .LONG   0
                              2980     410 TST$GQ_FACDESC::
        00002988'00000003     2980     411         .LONG   3,.+4
                 53 54 44     2988     412         .ASCII  /DTS/
                              298B     413
                              298B     414 TST$GQ_DTRDESC::
        00002993'00000003     298B     415         .LONG   3,.+4
                 52 54 44     2993     416         .ASCII  /DTR/
                              2996     417 ;
                              2996     418 ; COMMUNICATIONS LINK TRANSMISSION AND RECEPTION COUNTERS.
                              2996     419 ; NOTE: ENTRIES MUST BE IN THE ORDER SPECIFIED.
                              2996     420 ;
                              2996     421
                              2996     422 TST$GL_XMITDATA::                               ; NUMBER OF DATA MESSAGES
                 0000299A     2996     423         .BLKL   1                               ;  TRANSMITTED
                              299A     424 TST$GL_RECVDATA::                               ; NUMBER OF DATA MESSAGES
                 0000299E     299A     425         .BLKL   1                               ;  RECEIVED
                              299E     426 TST$GL_XMITINTE::                               ; NUMBER OF INTERRUPT MESSAGES
                 000029A2     299E     427         .BLKL   1                               ;  TRANSMITTED
                              29A2     428 TST$GL_RECVINTE::                               ; NUMBER OF INTERRUPT MESSAGES
                 000029A6     29A2     429         .BLKL   1                               ;  RECEIVED
                              29A6     430 TST$GL_STATUS::                                 ; AST ROUTINE STATUS CODE
                 000029AA     29A6     431         .BLKL   1                               ;
                              29AA     432
                              29AA     433
                              29AA     434 ; WORK AREA FOR COMMAND PARSE.
                              29AA     435 ; NOTE: ENTRIES MUST BE IN THE ORDER SPECIFIED.
                              29AA     436 ;
                              29AA     437
                              29AA     438 TST$GT_KEYWORD::                                ; FIRST 4 CHARACTERS OF PARAMETER
                 000029AE     29AA     439         .BLKB   4                               ;  OR QUALIFIER STRING TO PARSE
                              29AE     440 TST$GT_VALUE::                                  ; FIRST 8 CHARACTERS OF QUALIFIER
                 000029B6     29AE     441         .BLKB   8                               ;  VALUE STRING TO PARSE
                              29B6     442
                              29B6     443 ;+
                              29B6     444 ; STORAGE OF THE NETWORK CONNECT BLOCK AND ASSOCIATED DATA. THE NCB
                              29B6     445 ; IS CONSTRUCTED DYNAMICALLY AND MAY VARY IN SIZE. IT CONTAINS UP TO
                              29B6     446 ; SIX FIELDS WHOSE ORDER AND SIZE ARE LISTED BELOW:
                              29B6     447 ;
```

```
                          2986    448 ;        8 BYTES MAX FOR <NODENAME>::
                          29B6    449 ;       16 BYTES MAX FOR <OBJECTTYPE>
                          29B6    450 ;        1 BYTE FOR SLASH DELIMITER
                          29B6    451 ;        2 BYTES FOR NETACP LINK INDEX
                          29B6    452 ;       17 BYTES MAX FOR COUNTED USERDATA STRING
                          29B6    453 ;       19 BYTES FOR ADDITIONAL NETACP DATA
                          29B6    454 ;-
                          29B6    455
                          29B6    456 TST$GQ_NCB::                         ; NCB DESCRIPTOR BLOCK
                          29B6    457         QBLOCK   SPACE=63-           ;
                          29B6    458                  BUFADR=TST$GB_NCB
                          29FD    459 TST$GQ_ACCESS::                      ; ACCESS FUNC DESCRIPTOR BLOCK
                 00002A05 29FD    460         .BLKQ   1                    ;
                          2A05    461 TST$GQ_DEACCESS::                    ; DEACCESS FUNC DESCRIPTOR BLOCK
                 00002A0D 2A05    462         .BLKQ   1                    ;
                          2A0D    463 TST$GT_OBJTYPE::                     ; NSP OBJECTTYPE FOR DTR STORED
           3D 33 36 00'   2A0D    464         .ASCIC  \63=\                ; AS A COUNTED ASCII STRING
                       03 2A0D
                          2A11    465 TST$GT_OBJTYPE1::                    ; ALTERNATE OBJECTTYPE STORED
        52 54 44 3D 30 00' 2A11   466         .ASCIC  \0=DTR\             ; AS A COUNTED ASCII STRING
                       05 2A11
                          2A17    467 TST$GT_OBJTYPE2::                    ; ALTERNATE OBJECTTYPE STORED
  52 54 44 3D 4B 53 41 54 00' 2A17 468       .ASCIC  \TASK=DTR\          ; AS A COUNTED ASCII STRING
                       08 2A17
                          2A20    469 TST$GT_USERDATA::                    ; USERDATA STRING FOR DTR STORED
                 00002A31 2A20    470         .BLKB   1+16                 ; AS A COUNTED ASCII STRING
                          2A31    471 TST$GT_STANDARD::                    ; "STANDARD" DATA PATTERN
4B 4A 49 48 47 46 45 44 43 42 41 00' 2A31 472 .ASCIC \ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789\
57 56 55 54 53 52 51 50 4F 4E 4D 4C 2A3D
38 37 36 35 34 33 32 31 30 5A 59 58 2A49
                       39 2A55
                       24 2A31
                          2A56    473 TST$GT_CONN::                        ; TEXT FOR CONNECT TEST STORED
        54 43 45 4E 4E 4F 43 00' 2A56 474      .ASCIC  \CONNECT\           ; AS A COUNTED ASCII STRING
                       07 2A56
                          2A5E    475 TST$GT_DATA::                        ; TEXT FOR DATA TEST STORED
              41 54 41 44 00' 2A5E 476         .ASCIC  \DATA\             ; AS A COUNTED ASCII STRING
                       04 2A5E
                          2A63    477 TST$GT_DISC::                        ; TEXT FOR DISCONNECT TEST STORED
  54 43 45 4E 4E 4F 43 53 49 44 00' 2A63 478   .ASCIC  \DISCONNECT\       ; AS A COUNTED ASCII STRING
                       0A 2A63
                          2A6E    479 TST$GT_INTE::                        ; TEXT FOR INTERRUPT TEST STORED
     54 50 55 52 52 45 54 4E 49 00' 2A6E 480    .ASCIC  \INTERRUPT\        ; AS A COUNTED ASCII STRING
                       09 2A6E
                          2A78    481 TST$GT_MISC::                        ; TEXT FOR MISCELLANEOUS TEST STORED
4F 45 4E 41 4C 4C 45 43 53 49 4D 00' 2A78 482  .ASCIC  \MISCELLANEOUS\    ; AS A COUNTED ASCII STRING
                    53 55 2A84
                       0D 2A78
                          2A86    483 TST$GT_ERROR::                       ; STRING FOR ERROR RESPONSE STORED
              3F 3F 3F 3F 00' 2A86 484         .ASCIC  \????\             ; AS A COUNTED ASCII STRING
                       04 2A86
                          2A8B    485 TST$GT_VERSION::                     ; DTS/DTR VERSION NUMBER STORED
30 2E 32 20 6E 6F 69 73 72 65 56 00' 2A8B 486  .ASCIC  \Version 2.00\     ; AS A COUNTED ASCII STRING
                    30 2A97
                    0C 2A8B
                          2A98    487 TST$GT_XMIT::                        ; TEXT FOR DISPLAY STORED
  54 49 4D 58 20 2D 2D 2D 2D 3C 00' 2A98 488   .ASCIC  \<---- XMIT\       ; AS A COUNTED ASCII STRING
```

```
                            0A  2A98
                                2AA3    489 TST$GT_RECV::                          ; TEXT FOR DISPLAY STORED
   3E 2D 2D 2D 2D 20 56 43 45 52 00' 2AA3    490         .ASCIC  \RECV ---->\           ; AS A COUNTED ASCII STRING
                            0A  2AA3
                                2AAE    491
                                2AAE    492 ;
                                2AAE    493 ; RESULTS OF PARSE OF MAILBOX MESSAGE
                                2AAE    494 ;
                                2AAE    495
                                2AAE    496 TST$GW_MAILCODE::                      ; MAILBOX MESSAGE CODE
                    00002AB0   2AAE    497         .BLKW   1
                                2AB0    498 TST$GW_DEV_UNIT::                      ; DEVICE UNIT NUMBER
                    00002AB2   2AB0    499         .BLKW   1
                                2AB2    500 TST$GT_DEV_NAME::                      ; DEVICE NAME STORED AS A
                    00002AC2   2AB2    501         .BLKB   1+15                   ;  COUNTED ASCII STRING
                                2AC2    502 TST$GT_MAILDATA::                      ; MAILBOX MESSAGE LESS HEADER STORED
                    00002B02   2AC2    503         .BLKB   1+63                   ;  AS A COUNTED ASCII STRING
                                2B02    504
                                2B02    505 ;
                                2B02    506 ; STORAGE OF COMMAND PARAMETER AND COMMAND RELATED VALUES.
                                2B02    507 ;
                                2B02    508
                                2B02    509 TST$GB_TEST::                          ; TEST PARAMETER (FUNCTION)
                    00002B03   2B02    510         .BLKB   1                      ;  FOR ALL TESTS
                                2B03    511 TST$GL_VALID::                         ; VALID (PERMITTED) QUALIFIER FLAGS
                    00002B07   2B03    512         .BLKL   1                      ;
                                2B07    513
                                2B07    514 ;
                                2B07    515 ; STORAGE OF COMMAND QUALIFIER VALUES
                                2B07    516 ;
                                2B07    517
                                2B07    518 TST$GB_DISPLAY::                       ; DISPLAY MESSAGE QUALIFIER
                    00002B08   2B07    519         .BLKB   1                      ; N=#BYTES OF MESSAGE TO DISPLAY
                                2B08    520 TST$GT_NODENAME::                      ; TARGET NODENAME STORED
                    00002B0F   2B08    521         .BLKB   1+6                    ;  AS A COUNTED ASCII STRING
                                2B0F    522 TST$GB_PRINT::                         ; [NO]PRINT QUALIFIER
                    00002B10   2B0F    523         .BLKB   1
                                2B10    524 TST$GL_SPEED::                         ; LINE SPEED IN BAUD
                    00002B14   2B10    525         .BLKL   1                      ; THIS VALUE IS USED ONLY AS INPUT
                                2B14    526                                       ;  FOR STATISTICS CALCULATIONS;
                                2B14    527                                       ;  I.E., IT DOES NOT SET LINE SPEED!
                                2B14    528 TST$GB_STAT::                          ; [NO]STATISTICS QUALIFIER
                    00002B15   2B14    529         .BLKB   1                      ;
                                2B15    530
                                2B15    531 ;
                                2B15    532 ; STORAGE OF PARAMETER QUALIFIER AND RELATED VALUES.
                                2B15    533 ;
                                2B15    534
                                2B15    535 TST$GB_TYPE::                          ; TEST TYPE QUALIFIER (SUBFUNCTION)
                    00002B16   2B15    536         .BLKB   1                      ;  FOR ALL TESTS
                                2B16    537 TST$GB_RETURN::                        ; RETURN USERDATA QUALIFIER
                    00002B17   2B16    538         .BLKB   1                      ;  FOR CONNECT AND DISCONNECT TESTS
                                2B17    539 TST$GW_SIZE::                          ; MESSAGE SIZE QUALIFIER
                    00002B19   2B17    540         .BLKW   1                      ;  FOR DATA AND INTERRUPT TESTS
                                2B19    541 TST$GB_RQUEUE::                        ; DTR QUEUE QUALIFIER
                    00002B1A   2B19    542         .BLKB   1                      ;  FOR DATA AND INTERRUPT TESTS
                                2B1A    543 TST$GB_SQUEUE::                        ; DTS QUEUE QUALIFIER
```

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TST$DTGLOBAL   - GLOBAL STORAGE SECTION FOR DTS/DTR   16-SEP-1984 01:23:14   VAX/VMS Macro V04-00   Page 11
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```
                   00002B1B   2B1A  544            .BLKB  1                       ; FOR DATA AND INTERRUPT TESTS
                              2B1B  545 TST$GL_SECONDS::                          ; DURATION OF TEST IN SECONDS
                   00002B1F   2B1B  546            .BLKL  1                       ; FOR DATA AND INTERRUPT TESTS
                              2B1F  547 TST$GL_CLOCK::                            ;COUNTDOWN LOCATION FOR TIMEOUT AST
                   00002B23   2B1F  548            .BLKL  1
                              2B23  549 TST$GQ_NANOSEC::                          ; DURATION OF TEST IN 100
          FFFFFFFF FF676980   2B23  550            .LONG  -10000000,-1           ;      NANOSECOND UNITS
                              2B2B  551 TST$GB_FLOW::                             ; FLOW CONTROL QULAIFIER
                   00002B2C   2B2B  552            .BLKB  1                       ; FOR DATA TEST
                              2B2C  553 TST$GB_NAK::                              ; NAK CONTROL QUALIFIER
                   00002B2D   2B2C  554            .BLKB  1                       ; FOR DATA TEST
                              2B2D  555 TST$GB_BACK::                             ; BACK PRESSURE CONTROL QUALIFIER
                   00002B2E   2B2D  556            .BLKB  1                       ; FOR DATA TEST
                              2B2E  557                                          ; ASSOCIATED QUALIFIER MAY APPEAR
                              2B2E  558                                          ; IN THE COMMAND
                              2B2E  559
                              2B2E  560 ;**************************************************************************
                              2B2E  561 ; THE ORDER OF THE ENTRIES IN THE KEYWORD TABLES BELOW IS SIGNIFICANT!!
                              2B2E  562 ;**************************************************************************
                              2B2E  563
                              2B2E  564 ;
                              2B2E  565 ; QUALIFIER KEYWORD TABLE
                              2B2E  566 ;
                              2B2E  567 ; QUALIFIERS ARE IN ALPHABETICAL ORDER. IF ONE IS INSERTED OR DELETED,
                              2B2E  568 ; BE SURE TO UPDATE THE APPROPRIATE CASE DISPATCH TABLE IN THE TST$PARSE
                              2B2E  569 ; MODULE!!!
                              2B2E  570 ;
                              2B2E  571
                              2B2E  572 TST$AZ_QUAL::                             ; QUALIFIER:
                41 42 00'     2B2E  573            .ASCIC  \BA\                   ; BACK
                   02         2B2E
                   44 00'     2B31  574            .ASCIC  \D\                    ; DISPLAY
                   01         2B31
                   46 00'     2B33  575            .ASCIC  \F\                    ; FLOW
                   01         2B33
                   48 00'     2B35  576            .ASCIC  \H\                    ; HOURS
                   01         2B35
                   4D 00'     2B37  577            .ASCIC  \M\                    ; MINUTES
                   01         2B37
                41 4E 00'     2B39  578            .ASCIC  \NA\                   ; NAK
                   02         2B39
             42 4F 4E 00'     2B3C  579            .ASCIC  \NOB\                  ; NOBACK
                   03         2B3C
          45 44 4F 4E 00'     2B40  580            .ASCIC  \NODE\                 ; NODENAME
                   04         2B40
          49 44 4F 4E 00'     2B45  581            .ASCIC  \NODI\                 ; NODISPLAY
                   04         2B45
             46 4F 4E 00'     2B4A  582            .ASCIC  \NOF\                  ; NOFLOW
                   03         2B4A
             4E 4F 4E 00'     2B4E  583            .ASCIC  \NON\                  ; NONAK
                   03         2B4E
             50 4F 4E 00'     2B52  584            .ASCIC  \NOP\                  ; NOPRINT
                   03         2B52
             52 4F 4E 00'     2B56  585            .ASCIC  \NOR\                  ; NORETURN
                   03         2B56
             53 4F 4E 00'     2B5A  586            .ASCIC  \NOS\                  ; NOSTATISTICS
                   03         2B5A
```

```
        50 00' 2B5E    587           .ASCIC  \P\                        ; PRINT
           01  2B5E
     45 52 00' 2B60    588           .ASCIC  \RE\                       ; RETURN
           02  2B60
     51 52 00' 2B63    589           .ASCIC  \RQ\                       ; RQUEUE
           02  2B63
     45 53 00' 2B66    590           .ASCIC  \SE\                       ; SECONDS
           02  2B66
     49 53 00' 2B69    591           .ASCIC  \SI\                       ; SIZE
           02  2B69
     50 53 00' 2B6C    592           .ASCIC  \SP\                       ; SPEED
           02  2B6C
     51 53 00' 2B6F    593           .ASCIC  \SQ\                       ; SQUEUE
           02  2B6F
     54 53 00' 2B72    594           .ASCIC  \ST\                       ; STATISTICS
           02  2B72
        54 00' 2B75    595           .ASCIC  \T\                        ; TYPE
           01  2B75
           00' 2B77    596           .ASCIC  \\                         ; END OF TABLE INDICATOR
           00  2B77
                2B78   597
                2B78   598 :
                2B78   599 ; PARAMETER KEYWORD TABLE
                2B78   600 :
                2B78   601
                2B78   602 TST$AZ_PARAM::                               ; TEST TYPE PARAMETER:
        43 00' 2B78    603           .ASCIC  \C\                        ; CONNECT
           01  2B78
     41 44 00' 2B7A    604           .ASCIC  \DA\                       ; DATA
           02  2B7A
     49 44 00' 2B7D    605           .ASCIC  \DI\                       ; DISCONNECT
           02  2B7D
        49 00' 2B80    606           .ASCIC  \I\                        ; INTERRUPT
           01  2B80
        4D 00' 2B82    607           .ASCIC  \M\                        ; MISCELLANEOUS
           01  2B82
           00' 2B84    608           .ASCIC  \\                         ; END OF TABLE INDICATOR
           00  2B84
                2B85   609
                2B85   610 :
                2B85   611 ; VALUE KEYWORD TABLE FOR TYPE (CONNECT) QUALIFIER
                2B85   612 :
                2B85   613
                2B85   614 TST$AZ_TYPE_CO::                             ; VALUE:
        52 00' 2B85    615           .ASCIC  \R\                        ; REJECT
           01  2B85
        41 00' 2B87    616           .ASCIC  \A\                        ; ACCEPT
           01  2B87
           00' 2B89    617           .ASCIC  \\                         ; END OF TABLE INDICATOR
           00  2B89
                2B8A   618
                2B8A   619 :
                2B8A   620 ; VALUE KEYWORD TABLE FOR TYPE (DISCONNECT) QUALIFIER
                2B8A   621 :
                2B8A   622
                2B8A   623 TST$AZ_TYPE_DI::                             ; VALUE:
        53 00' 2B8A    624           .ASCIC  \S\                        ; SYNCHRONOUS
```

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TSTSDTGLOBAL   - GLOBAL STORAGE SECTION FOR DTS/DTR   16-SEP-1984 01:23:14   VAX/VMS Macro V04-00   Page 13
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```
          01  2B8A
    41 00' 2B8C   625        .ASCIC  \A\                    ; ABORT
       01  2B8C
       00' 2B8E   626        .ASCIC  \\                     ; END OF TABLE INDICATOR
       00  2B8E
           2B8F   627
           2B8F   628 ;
           2B8F   629 ; VALUE KEYWORD TABLE FOR TYPE (DATA) QUALIFIER
           2B8F   630 ;
           2B8F   631
           2B8F   632 TST$AZ_TYPE_DA::                      ; VALUE:
    49 53 00' 2B8F   633        .ASCIC  \SI\                ; SINK
       02  2B8F
    45 53 00' 2B92   634        .ASCIC  \SE\                ; SEQUENCE
       02  2B92
    50 00' 2B95   635        .ASCIC  \P\                    ; PATTERN
       01  2B95
    45 00' 2B97   636        .ASCIC  \E\                    ; ECHO
       01  2B97
       00' 2B99   637        .ASCIC  \\                     ; END OF TABLE INDICATOR
       00  2B99
           2B9A   638
           2B9A   639 ;
           2B9A   640 ; VALUE KEYWORD TABLE FOR TYPE (INTERRUPT) QUALIFIER
           2B9A   641 ;
           2B9A   642
           2B9A   643 TST$AZ_TYPE_IN::                      ; VALUE:
    49 53 00' 2B9A   644        .ASCIC  \SI\                ; SINK
       02  2B9A
    45 53 00' 2B9D   645        .ASCIC  \SE\                ; SEQUENCE
       02  2B9D
    50 00' 2BA0   646        .ASCIC  \P\                    ; PATTERN
       01  2BA0
    45 00' 2BA2   647        .ASCIC  \E\                    ; ECHO
       01  2BA2
       00' 2BA4   648        .ASCIC  \\                     ; END OF TABLE INDICATOR
       00  2BA4
           2BA5   649
           2BA5   650 ;
           2BA5   651 ; VALUE KEYWORD TABLE FOR TYPE (MISCELLANEOUS) QUALIFIER
           2BA5   652 ;
           2BA5   653
           2BA5   654 TST$AZ_TYPE_MI::                      ; VALUE:
    4E 00' 2BA5   655        .ASCIC  \N\                    ; ILLEGAL NODENAME
       01  2BA5
    4F 00' 2BA7   656        .ASCIC  \O\                    ; NON-EXISTANT OBJECTTYPE
       01  2BA7
    4C 00' 2BA9   657        .ASCIC  \L\                    ; INVALID LOGICAL LINK ADDRESS
       01  2BA9
       00' 2BAB   658        .ASCIC  \\                     ; END OF TABLE INDICATOR
       00  2BAB
           2BAC   659
           2BAC   660 ;
           2BAC   661 ; VALUE KEYWORD TABLE FOR RETURN QUALIFIER
           2BAC   662 ;
           2BAC   663
           2BAC   664 TST$AZ_RETURN::                       ; VALUE:
```

```
53 00'  2BAC   665            .ASCIC  \S\                            ; STANDARD
   01   2BAC
52 00'  2BAE   666            .ASCIC  \R\                            ; RECEIVED
   01   2BAE
   00'  2BB0   667            .ASCIC  \\                             ; END OF TABLE INDICATOR
   00   2BB0
        2BB1   668
        2BB1   669  ;
        2BB1   670  ; VALUE KEYWORD TABLE FOR FLOW QUALIFIER
        2BB1   671  ;
        2BB1   672
        2BB1   673  TST$AZ_FLOW::                                    ; VALUE:
53 00'  2BB1   674            .ASCIC  \S\                            ; SEGMENT
   01   2BB1
4D 00'  2BB3   675            .ASCIC  \M\                            ; MESSAGE
   01   2BB3
   00'  2BB5   676            .ASCIC  \\                             ; END OF TABLE INDICATOR
   00   2BB5
        2BB6   677            .END
```

F 15

TST$DTGLOBAL   - GLOBAL STORAGE SECTION FOR DTS/DTR   16-SEP-1984 01:23:14   VAX/VMS Macro V04-00   Page 15
Symbol table   5-SEP-1984 00:22:01   [DTSDTR.SRC]DTGLOBAL.MAR;1   (2)

```
$$.TAB              = 00002454 R    01        RAB$C_BLN          = 00000044
$$.TABEND           = 00002498 R    01        RAB$C_SEQ          = 00000000
$$.TMP              = 00000000                RAB$L_CTX          = 00000018
$$ARGS              = 0000000C                RAB$L_PBF          = 00000030
$$T1                = 00000034                RAB$L_ROP          = 00000004
EFN_K_CONN_ACCE     = 00000001                RAB$V_CVT          = 0000001A
EFN_K_CONN_INIT     = 00000001                RAB$V_PMT          = 0000001E
EFN_K_CONN_REJE     = 00000002                TST$AZ_FLOW          00002BB1 RG   01
EFN_K_DISC_ABRT     = 00000004                TST$AZ_PARAM         00002B78 RG   01
EFN_K_DISC_SYNC     = 00000003                TST$AZ_QUAL          00002B2E RG   01
EFN_K_READ_MAIL     = 00000000                TST$AZ_RETURN        00002BAC RG   01
EFN_K_RECV_DATA     = 00000007                TST$AZ_TYPE_CO       00002B85 RG   01
EFN_K_XMIT_DATA     = 00000005                TST$AZ_TYPE_DA       00002B8F RG   01
EFN_K_XMIT_INTE     = 00000006                TST$AZ_TYPE_DI       00002B8A RG   01
FAB$C_BID           = 00000003                TST$AZ_TYPE_IN       00002B9A RG   01
FAB$C_BLN           = 00000050                TST$AZ_TYPE_MI       00002BA5 RG   01
FAB$C_SEQ           = 00000000                TST$CMDFAB           000022D4 RG   01
FAB$C_VAR           = 00000002                TST$CMDRAB           00002324 RG   01
FAB$L_ALQ           = 00000010                TST$GB_ASTFLAGS      0000221C RG   01
FAB$L_FOP           = 00000004                TST$GB_BACK          00002B2D RG   01
FAB$V_CHAN_MODE     = 00000002                TST$GB_CMDBUF        00002371 RG   01
FAB$V_CR            = 00000001                TST$GB_DISPLAY       00002B07 RG   01
FAB$V_FILE_MODE     = 00000004                TST$GB_FLOW          00002B2B RG   01
FAB$V_GET           = 00000001                TST$GB_INTEBUF       00002208 RG   01
FAB$V_LNM_MODE      = 00000000                TST$GB_MAILBUF       000001C8 RG   01
FAB$V_PUT           = 00000000                TST$GB_NAK           00002B2C RG   01
FAB$W_GBC           = 00000048                TST$GB_NCB         = 000029BE RG   01
IO$M_ABORT          = 00000100                TST$GB_PMTBUF        000023F5 RG   01
IO$M_ACCESS         = 00000040                TST$GB_PRINT         00002B0F RG   01
IO$M_INTERRUPT      = 00000040                TST$GB_PRTBUF      = 000024AA RG   01
IO$M_SYNCH          = 00000200                TST$GB_RECVBUF       00001208 RG   01
IO$_ACCESS          = 00000032                TST$GB_RETURN        00002B16 RG   01
IO$_DEACCESS        = 00000034                TST$GB_RQUEUE        00002B19 RG   01
IO$_READVBLK        = 00000031                TST$GB_SQUEUE        00002B1A RG   01
IO$_WRITEVBLK       = 00000030                TST$GB_STAT          00002B14 RG   01
K_CMDNAME           = 00000009                TST$GB_TEST          00002B02 RG   01
K_LIST_MEB          = 00000000                TST$GB_TYPE          00002B15 RG   01
K_PMTBUF            = 0000000C                TST$GB_XMITBUF       00000208 RG   01
K_PRTNAME           = 0000000A                TST$GL_CLOCK         00002B1F RG   01
MAX_K_SIZE_DA       = 00001000                TST$GL_DTERROR       00002974 RG   01
MAX_K_SIZE_IN       = 00000010                TST$GL_FAOARG        0000297C RG   01
QIO$_ASTADR         = 00000014                TST$GL_RECVDATA      0000299A RG   01
QIO$_ASTPRM         = 00000018                TST$GL_RECVINTE      000029A2 RG   01
QIO$_CHAN           = 00000008                TST$GL_SECONDS       00002B1B RG   01
QIO$_EFN            = 0000000C                TST$GL_SPEED         00002B10 RG   01
QIO$_FUNC           = 0000000C                TST$GL_STATUS        000029A6 RG   01
QIO$_IOSB           = 00000010                TST$GL_VALID         00002B03 RG   01
QIO$_NARGS          = 0000000C                TST$GL_XMITDATA      00002996 RG   01
QIO$_P1             = 0000001C                TST$GL_XMITINTE      0000299E RG   01
QIO$_P2             = 00000020                TST$GQ_ACCESS        000029FD RG   01
QIO$_P3             = 00000024                TST$GQ_CALLER        000026CD RG   01
QIO$_P4             = 00000028                TST$GQ_COMPLETE      00002711 RG   01
QIO$_P5             = 0000002C                TST$GQ_DEACCESS      00002A05 RG   01
QIO$_P6             = 00000030                TST$GQ_DISPLAY       0000276E RG   01
RAB$B_PSZ           = 00000034                TST$GQ_DTRDESC       0000298B RG   01
RAB$B_RAC           = 0000001E                TST$GQ_FACDESC       00002980 RG   01
RAB$C_BID           = 00000001                TST$GQ_INIT          000026AC RG   01
```

Symbol	Value			Symbol	Value	
TST$GQ_INTEIOSB	000001B8	RG	01	TST$PRTFAB	00002404	RG	01
TST$GQ_LINKIOSB	000001A8	RG	01	TST$PRTRAB	00002454	RG	01
TST$GQ_LINKNAME	0000221D	RG	01	TST$QBR_RCVDATA	0000228D	RG	01
TST$GQ_MAILIOSB	000001A0	RG	01	TST$QBR_RCVMAIL	000022A1	RG	01
TST$GQ_NANOSEC	00002B23	RG	01	TST$QBR_XMTDATA	00002279	RG	01
TST$GQ_NCB	000029B6	RG	01	TST$QBR_XMTINT	000022B5	RG	01
TST$GQ_PARSE	0000274A	RG	01	TST$QB_ASTADR	= 0000000C	G
TST$GQ_PRTBUF	000024A2	RG	01	TST$QB_BLINK	= 00000004	G
TST$GQ_RECVIOSB	000001C0	RG	01	TST$QB_BUFLEN	= 00000010	G
TST$GQ_STAT1	00002787	RG	01	TST$QB_CODE	= 00000008	G
TST$GQ_STAT2	00002812	RG	01	TST$QB_FLINK	= 00000000	G
TST$GQ_STAT3	000028E9	RG	01	TST$QB_QHEAD	000022C9	RG	01
TST$GQ_SYSNAME	0000222A	RG	01	TST$QB_RCVDATA	00002249	RG	01
TST$GQ_TERM	000026F3	RG	01	TST$QB_RCVMAIL	00002259	RG	01
TST$GQ_XMITIOSB	000001B0	RG	01	TST$QB_XMTDATA	00002239	RG	01
TST$GT_CMDNAME	00002368	RG	01	TST$QB_XMTINT	00002269	RG	01
TST$GT_CONN	00002A56	RG	01	TST$RECVAST_DTR	********W	GX	01
TST$GT_DATA	00002A5E	RG	01	TST$RECVAST_DTS	********W	GX	01
TST$GT_DEV_NAME	00002AB2	RG	01	TST$XMITAST_DTR	********W	GX	01
TST$GT_DISC	00002A63	RG	01	TST$XMITAST_DTS	********W	GX	01
TST$GT_DTR	0000296B	RG	01	VAL_K_BACK_NO	= 00000000	
TST$GT_DTS	00002966	RG	01	VAL_K_DISP_NO	= 00000000	
TST$GT_DTSMSG	00002970	RG	01	VAL_K_FLOW_MESS	= 00000002	
TST$GT_ERROR	00002A86	RG	01	VAL_K_NAK_NO	= 00000000	
TST$GT_INTE	00002A6E	RG	01	VAL_K_PRIM_NO	= 00000000	
TST$GT_KEYWORD	000029AA	RG	01	VAL_K_RETU_NO	= 00000000	
TST$GT_MAILDATA	00002AC2	RG	01	VAL_K_STAT_YES	= 00000001	
TST$GT_MISC	00002A78	RG	01	VAL_K_TYPE_ABRT	= 00000001	
TST$GT_NODENAME	00002B08	RG	01	VAL_K_TYPE_ACCE	= 00000001	
TST$GT_OBJTYPE	00002A0D	RG	01	VAL_K_TYPE_NAME	= 00000000	
TST$GT_OBJTYPE1	00002A11	RG	01	VAL_K_TYPE_SINK	= 00000000	
TST$GT_OBJTYPE2	00002A17	RG	01			
TST$GT_PRTNAME	00002498	RG	01			
TST$GT_RECV	00002AA3	RG	01			
TST$GT_STANDARD	00002A31	RG	01			
TST$GT_USERDATA	00002A20	RG	01			
TST$GT_VALUE	000029AE	RG	01			
TST$GT_VERSION	00002A8B	RG	01			
TST$GT_XMIT	00002A98	RG	01			
TST$GW_DEV_UNIT	00002AB0	RG	01			
TST$GW_LINKCHAN	0000221A	RG	01			
TST$GW_MAILCHAN	00002218	RG	01			
TST$GW_MAILCODE	00002AAE	RG	01			
TST$GW_PRTLEN	000026AA	RG	01			
TST$GW_SIZE	00002B17	RG	01			
TST$INTEAST_DTR	********W	GX	01			
TST$INTEAST_DTS	********W	GX	01			
TST$K_CMDBUF	= 00000084	G				
TST$K_INTEBUF	= 00000010	G				
TST$K_MAILBUF	= 00000040	G				
TST$K_MAILQUOTA	= 00000200	G				
TST$K_PRTBUF	= 00000200	G				
TST$K_RECVBUF	= 00001000	G				
TST$K_XMITBUF	= 00001000	G				
TST$MAILAST_DTR	********W	GX	01			
TST$MAILAST_DTS	********W	GX	01			
TST$PARAMETER	00000000	RG	01			

```
                                        +-----------------+
                                        ! Psect synopsis !
                                        +-----------------+

PSECT name                    Allocation          PSECT No.  Attributes
----------                    ----------          ---------  ----------
.  ABS  .                     00000000  (    0.)   00 (  0.)  NOPIC  USR  CON  ABS  LCL  NOSHR  NOEXE  NORD   NOWRT  NOVEC  BYTE
TST$IMPURE                    00002BB6  (11190.)   01 (  1.)  NOPIC  USR  CON  REL  LCL  NOSHR  NOEXE  RD     WRT    NOVEC  LONG
$ABS$                         00000000  (    0.)   02 (  2.)  NOPIC  USR  CON  ABS  LCL  NOSHR  EXE    RD     WRT    NOVEC  BYTE

                                        +--------------------------+
                                        ! Performance indicators !
                                        +--------------------------+

Phase                  Page faults    CPU Time       Elapsed Time
-----                  -----------    --------       ------------
Initialization                 29     00:00:00.10    00:00:01.18
Command processing            122     00:00:00.74    00:00:03.46
Pass 1                        350     00:00:12.36    00:00:35.75
Symbol table sort               0     00:00:01.26    00:00:02.24
Pass 2                        141     00:00:03.19    00:00:07.13
Symbol table output            25     00:00:00.23    00:00:00.30
Psect synopsis output           2     00:00:00.03    00:00:00.06
Cross-reference output          0     00:00:00.00    00:00:00.00
Assembler run totals          671     00:00:17.92    00:00:50.15
```

The working set limit was 1500 pages.
67481 bytes (132 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 887 non-local and 26 local symbols.
739 source lines were read in Pass 1, producing 26 object records in Pass 2.
32 pages of virtual memory were used to define 24 macros.

```
                                        +--------------------------+
                                        ! Macro library statistics !
                                        +--------------------------+

Macro library name                     Macros defined
------------------                     --------------
_$255$DUA28:[DTSDTR.OBJ]DTSDTR.MLB;1          3
_$255$DUA28:[SYSLIB]STARLET.MLB;2            15
TOTALS (all libraries)                       18
```

1037 GETS were required to define 18 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:DTGLOBAL/OBJ=OBJ$:DTGLOBAL MSRC$:DTPREFIX/UPDATE=(ENH$:DTPREFIX)+MSRC$:DTGLOBAL/UPDATE=(ENH$:DTGLOBAL)

XWDRIVER
LIS

DTGLOBAL
LIS

DTDEFINE
LIS

DTRMAIN
LIS

DTRAST
LIS

DTPREFIX
MAR

DTSDTR

DTCOMMON
LIS

DTRECV
MAP

DTSEND
MAP

DTMACROS
MAR